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November 14, 2003

ATTORNEY DOCKET NO. 03327.2314
CUSTOMER NO. 22,852

031283 U.S. PTO
10/712344



Mail Stop Patent Application

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

New U.S. Patent Application

Title: METHOD OF PREDICTING A LIFETIME OF FILAMENT IN ION
SOURCE AND ION SOURCE DEVICE

Inventor: Koji IWASAWA

Sir:

We enclose the following papers for filing in the United States Patent and Trademark Office in connection with the above patent application.

1. Application- 16 pages, including 2 independent claims and 5 claims total.
2. Drawings- 2 sheets of drawings containing 3 figures.
3. Declaration and Power of Attorney.
4. Recordation Form Cover Sheet and Assignment to NISSIN ELECTRIC CO., LTD.
5. Information Disclosure Statement and Information Disclosure Citation, PTO 1449 with documents attached.
6. The filing fee is calculated as follows:

| | | | | | | |
|---|---------------------|---|-------|-----------------|--------|-------------|
| Basic Application Filing Fee | | | | | \$770 | \$ \$770.00 |
| | Number of Claims | | Basic | Extra Claims | | |
| Total Claims | 5 | - | 20 | | x \$18 | |
| Independent Claims | 2 | - | 3 | | x \$86 | |
| <input type="checkbox"/> Presentation of Multiple Dep. Claim(s) | | | | | +\$290 | |
| Subtotal | | | | | | \$ 770.00 |
| Reduction by 1/2 if small entity | | | | | | - |
| TOTAL APPLICATION FILING FEE | | | | | | \$ 770.00 |

7. A check for \$810.00 is enclosed.

Applicant claims the right to priority based on Japanese Patent Application No. 2002-330634, filed November 14, 2002.

Please address all correspondence with respect to this application to:

Finnegan, Henderson, Farabow,
Garrett & Dunner, L.L.P.
1300 I Street, N.W.
Washington, D.C. 20005-3315

Please accord this application an application number and filing date and record and return the Assignment to the undersigned.

The Commissioner is hereby authorized to charge any additional filing fees due and any other fees due under 37 C.F.R. § 1.16 or §1.17 during the pendency of this

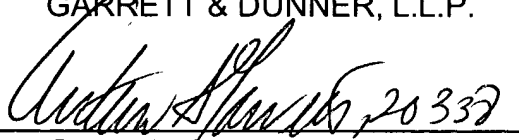
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application to our Deposit Account No. 06-0916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,
GARRETT & DUNNER, L.L.P.

By:


Ernest F. Chapman
Reg. No. 25,961

EFC/FPD/dvg
Enclosures

FINNEGAN
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DUNNER LLP